DOCKET NO.: STMI07-02357

Customer No.: 23990



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

JOAQUIN TORRES ET AL.

U.S. Serial No.

10/781,565

Filed

February 18, 2004

For

PROCESS FOR FABRICATING AN INTEGRATED

ELECTRONIC CIRCUIT THAT INCORPORATES AIR GAPS

Group No.

2811

Examiner

Not Yet Assigned

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

The undersigned hereby certifies that the following documents:

- 1. Postcard receipt;
- 2. Information Disclosure Statement;
- 3. Forms PTO/SB/08A and PTO/SB/08B;
- 4. Copy of French Search Report; and
- 5. Eleven (11) references.

Date:

Date._

Date: 🎝

at 24,2004

Mailer

William A. Munck

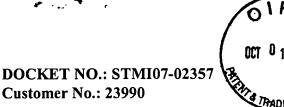
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Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement. This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Forms PTO/SB/08A and PTO/SB/08B. These references were located during the Search Report issued in the related French Patent Application No. 03 01978, a copy of which is attached hereto. Copies of the listed references are submitted herewith.

U.S. Patent No.	<u>Inventor</u>	<u>Date</u>
6,245,658	Buynoski	June 12, 2001
6,306,754	Agarwal	October 23, 2001
5,461,003	Havemann et al.	October 24, 1995
6,265,321	Chooi et al.	July 24, 2001

DOCKET NO.: STMI07-02357 U.S. SERIAL NO.: 10/781,565

PATENT

U.S. Publication No.	Inventor	Date
2002/0028575	Besling et al.	March 7, 2002
2002/0089060	Morisaki et al.	July 11, 2002
2002/0090794	Chang et al.	July 11, 2002
Foreign Patent No.	Country	Date
EP 0 872 887 A2	Europe	October 21, 1998
2 784 230 (Abstract)	France	April 7, 2000

Publications

Kang-Yoon Lee et al., "Monte Carlo Simulation of Energy Dissipation in Electron Beam Lithography Including Secondary Electron Generation", J. Appl. Phys. 67 (12), June 15, 1990, Pp. 7560-7567.

Chung-Hui Chen et al., "A Novel Multi-Level Interconnect Scheme With Air As Low K Inter-Metal Dielectric For Ultradeep Submicron Application" Solid-States Electronics 45 (2001), Pp. 199-203.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

Respectfully submitted,

DAVIS MUNCK, P.C.

Date: <u>Sept. 242004</u>

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known **Application Number** 10/781,565 Filing Date 02/18/2004 First Named Inventor Joaquin Torres Art Unit 2811 **Examiner Name** Not Yet Assigned Attorney Docket Number STMI07-02357

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.¹	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA	^{US-} 6,245,658	06/12/2001	Buynoski	
	AB	^{US-} 6,306,754	10/23/2001	Agarwal	
	AC	^{US-} 5,461,003	10/24/1995	Havemann et al.	
	AD	^{US-} 6,265,321	07/24/2001	Chooi et al.	
	AE	^{US-} 2002/0028575	03/07/2002	Besling et al.	
	AF	^{US-} 2002/0089060	07/11/2002	Morisaki et al.	
	AG	^{US-} 2002/0090794	07/11/2002	Chang et al.	
		US-			

		FORE	IGN PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
	АН	EP 0 872 887 A2	10/21/1998	NEC Corp.		
	Al	FR 2 784 230 (Abstract)	04/07/2000			
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Examiner	•	Date	
Signature	•	Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/781,565	
INFORMATION DISCLOSURE	Filing Date	02/18/2004	
STATEMENT BY APPLICANT	First Named Inventor	Joaquin Torres	
(Use as many sheets as necessary)	Art Unit	2811	
(030 us many sheets us necessary)	Examiner Name	Not Yet Assigned	
Sheet 2 of 2	Attorney Docket Number	STMI07-02357	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	ВА	KANG-YOON LEE ET AL., "Monte Carlo Simulation of Energy Dissipation in Electron Beam Lithography Including Secondary Electron Generation", J. Appl. Phys. 67 (12), June 15, 1990, Pp. 7560-7567.	
•	BB	Chung-Hui Chen et al., "A Novel Multi-Level Interconnect Scheme With Air As Low K Inter-Metal Dielectric For Ultradeep Submicron Application" Solid-States Electronics 45 (2001), Pp. 199-203.	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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